LAYOUT PLAN OF TAILRACE TUNNEL OUTLET EXCAVATION

Scale 1:200

Coordinate of control point

No.	E(m)	N(m)	Remark
W14	619081.859	3106760.092	
K1	619076.2475	3106743.1758	
K2	619085.9379	3106742.7424	
K3	619075.9884	3106737.3816	
K4	619085.6787	3106736.9482	
K5	619075.9660	3106736.8821	
K6	619085.7063	3106736.4465	
K7	619085.5097	3106732.0509	
K8	619075.5488	3106729.6936	
K9	619085.1130	3106729.2658	
K10	619074.7280	3106723.2238	
K11	619084.0269	3106722.8079	
K12	619074.5637	3106722.2302	
K13	619084.2503	3106721.7969	
K14	619068.7317	3106707.4760	
K15	619083.5800	3106706.8119	

NOTE

1. This set of drawings are open excavation and support of tailrace outlet gate chamber. 2 sheets in total, this is 1/2.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Safety inspection shall be frequently carried out during slope excavation and support.
4. The excavation and supports can be often adjusted according to the revealed actual situation and instruction of site OE.

Scale:
1:200 0 2 4 6 8 10m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

FOR APPROVAL

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IT CAN BE CHANGED IN THE EXECUTION STAGE
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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
A	11.FEB.,2022	FOR APPROVAL	GUO Z.Y	ZHANG J.Q.	ZHANG FAN

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT.LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE jade CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

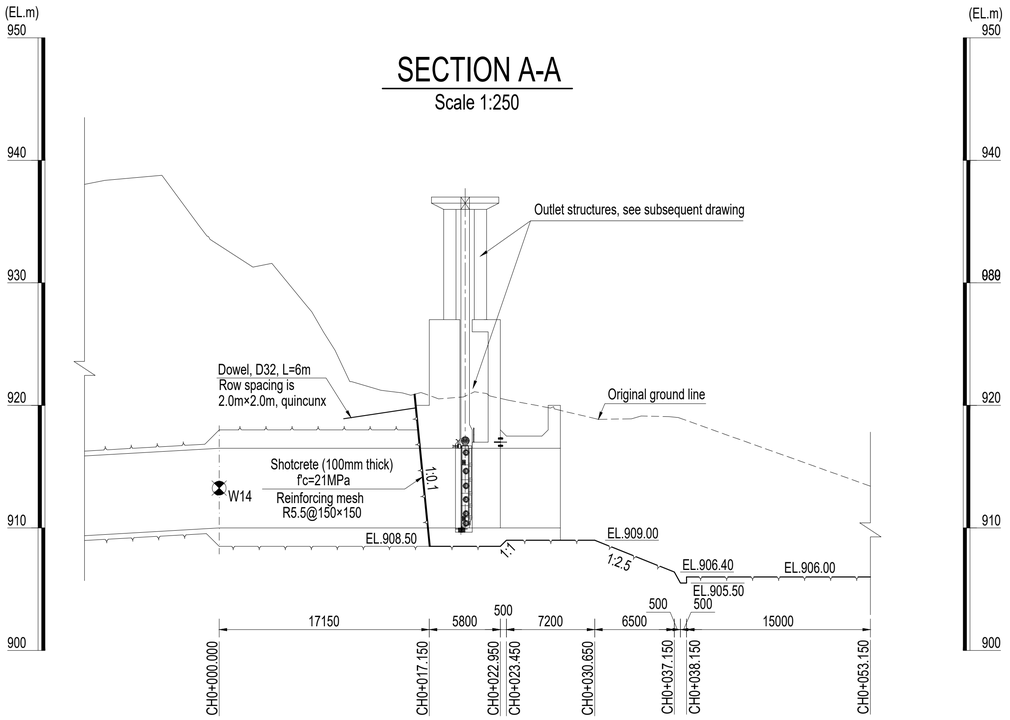
DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF
TAILRACE OUTLET GATE CHANMBER(1/2)

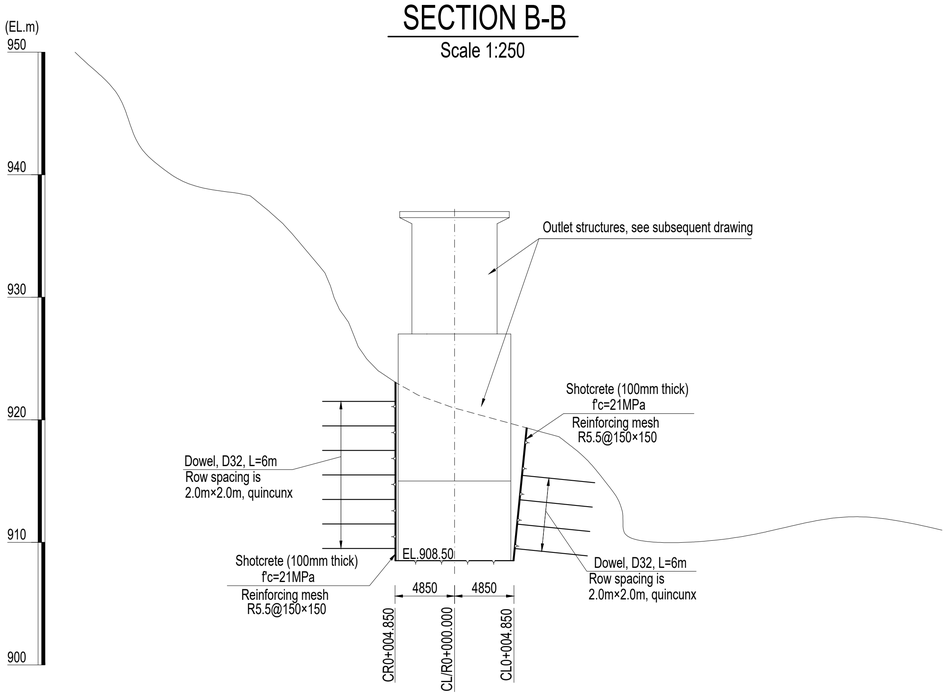
INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-080-CVL-DG-59001-01	1 OF 2	A

A1 (594 x 841 MM)

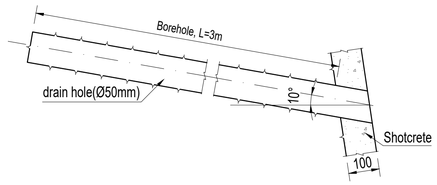
SECTION A-A
Scale 1:250



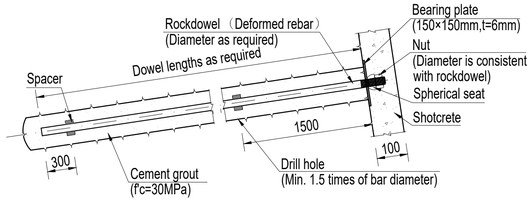
SECTION B-B
Scale 1:250



DETAIL OF DRAIN HOLE



DETAIL OF DOWEL



NOTE

1.This set of drawings are open excavation and support of tailrace outlet gate chamber. 2 sheets in total, this is 2/2.
2.All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3.The cylinder specified compressive strength of shotcrete and cement grout at 28 days of age is 21MPa and 30MPa, respectively.
4.Symbol description:
R denotes round bar, yield strength of the round bar is 280MPa.
D denotes deformed bar, yield strength of thedeformed bar is 500MPa;
5.Arrangement drawings of outlet structures will be prepared subsequently.
6.One contraction joint is set with 12m interval to the drainage ditch.

Scale:
1:250 0 2.5 5 7.5 10 12.5m
1:20 0 0.2 0.4 0.6 0.8 1.0m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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A	11.FEB.,2022	FOR APPROVAL	GUO Z.Y	ZHANG J.Q.	ZHANG FAN

PROJECT TITLE
Upper Trishuli-1 HEP (216MW)

OWNER
NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT.LTD.

OWNER'S ENGINEER
TRACTEBEL ENGIE
jade CONSULT

CONTRACTOR
DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE
EXCAVATION AND SUPPORT DRAWING OF
TAILRACE OUTLET GATE CHANMBER(2/2)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-080-CVL-DG-59001-02	2 OF 2	A

A1 (594 x 841 MM)